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| Lesson 5-4 Adding Mixed Numbers | Objective: SWBAT to add mixed numbers with and without renaming. |  Homework Video Tutor Web Code: aqe-0504 |
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Adding Fractions;- Step by Step

Step 1- Create a common denominator between the fractions

Step 2- Add the fractions

Step 3- Add the whole numbers

Step 4- Simplify if necessary

Example 1- Adding with Unlike Denominators

You spend $8\frac{1}{4}$ hours on Saturday and $6\frac{1}{2}$ hours on Sunday working on a science project. How long did you work on the project?

$$\begin{array}{r}
 8\frac{1}{4} \rightarrow \\
 + 6\frac{1}{2} \rightarrow \\
 \hline
 \end{array}$$

I worked on my science project for _____ hours.

Example 2- Renaming a Sum (when your fraction is IMPROPER!)

Find $15\frac{5}{6} + 3\frac{1}{2}$



Add.

$$\begin{array}{r} (1) \quad 6\frac{9}{14} \\ + 5\frac{11}{14} \\ \hline \end{array}$$

$$\begin{array}{r} (2) \quad 2\frac{5}{8} \\ + 3\frac{5}{8} \\ \hline \end{array}$$

$$\begin{array}{r} (3) \quad 2\frac{5}{9} \\ + 3\frac{7}{9} \\ \hline \end{array}$$

$$\begin{array}{r} (4) \quad 3\frac{7}{12} \\ + 6\frac{7}{12} \\ \hline \end{array}$$

$$\begin{array}{r} (5) \quad 7\frac{19}{28} \\ + 1\frac{6}{7} \\ \hline \end{array}$$

$$\begin{array}{r} (6) \quad 3\frac{17}{21} \\ + 2\frac{5}{7} \\ \hline \end{array}$$

$$\begin{array}{r} (7) \quad 7\frac{1}{4} \\ + 5\frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} (8) \quad 5\frac{5}{6} \\ + 1\frac{5}{12} \\ \hline \end{array}$$

Homework Exercises

Assignment _____ Date _____

| Show Your Work! | Show Your Work! |
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